ISSUES REFERRED TO OTHER COMMITTEES/FORUMS

1158 ORDERING THE VIRTUAL CONNECTIONS FOR ATM BROADBAND INTER-CARRIER INTERFACE (B-ICI)

1177 INFORMATION EXCHANGE REQUIREMENTS FOR LOCAL INTERCONNECTION TRUNKS

1244 GETO ENTRY FOR "WIRE ONLY" ORDER (TOR)

1246 ORDERING INFORMATION FOR SWITCHED TRUNKS

1250 REQUESTS FOR END USERS' AGENTS TO AFFECT WHITE PAGES LISTINGS (DIR AD HOC)

1291 NOTIFICATION OF TCIC NUMBERING

1367 MULTI-OWNER MERGED CAPTIONS

1368 DIRECTORY QUERY CAPABILITY

1369 LISTING RECONCILIATION

DISCUSSION OF NEWLY ACCEPTED ISSUES

NOTE: OBF #58 AGENDA SETTING WILL BE DISCUSSED ON WEDNESDAY AT 3:00 PM

ATTACHMENT B

Interface Specification for Mediated Access to Operation Support Systems for Resale of POTS Services by 1/1/97

DECEMBER 19, 1996

DOCUMENT NUMBER: T-12_99-006472-00.02

Prepared By

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Abstract

This document contains the interface specification for Mediated Access to U S WEST Operations Support Systems to meet the short term business needs associated with the resale of POTS services in the areas of pre-ordering, ordering, and repair for 1-1-97.

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1. Introduction

1.1 Purpose of this Document

This document specifies the interface for CLECs to achieve mediated access to U S WEST's Operations Support Systems (OSSs) for resale of U S WEST POTS services by 1/1/97.

1.2 Disclaimer

Although the physical, electrical, and message set at the point of interconnection described in this document will not change without further disclosure, U S WEST reserves the right to modify the GUI presentation in order to facilitate pre-order, order, and repair business functions.

1.3 Scope of this Document

The document contains an overview of the CPE (hardware and software) requirements for utilizing the mediated access interface. There is a discussion on U S WEST's firewall implementation as well as a general discussion about Access Security and User Administration. The document also contains a detailed description of the transactions and data that the Web front end will support. Finally, a sample of the CLEC application form is attached for reference.

1.4 Expected Audience

This document is written for those expressing an interest in obtaining mediated access to U S WEST's operational support systems and depicts the transactions needed to perform pre-order, ordering and trouble ticket entry.

2. Overview & General Concepts

2.1 Overview

This document specifies a system which will provide mediated access to U S WEST OSSs through a set of business functions. The business functions will be implemented by a Web-based user interface which interacts with existing and new systems that provide the mediation and subsequently interact with Operations Support Systems (OSSs) to fulfill the business transactions. The business functions will allow CLECs to carry out a set of Pre-order, Order, and Repair functions sufficient to do business.

2.2 Business Functions Supported

2.2.1 Pre-Order

Pre-order refers to the set of activities whereby a CLEC (Certified Local Exchange Carrier) service representative dialogs with the customer in order to obtain service availability information. Pre-order consists of the following functions: verify an address, check service availability, and return existing customer service record information.

2.2.2 Order

With the Pre-order steps completed the requisite information will have been obtained from the customer and the initiation of a work order can begin. Submitting a work order will result in the provisioning and installation, if necessary, of a customer's service. The functional set required to order service is: create a work order, check facility availability, reserve an appointment if technician work is required in the field or at the end user's premises, reserve a telephone number if appropriate, and cancel a work order.

2.2.3 Repair

Repair is a set of business functions, processes, and systems which allow customers to report trouble with communications circuits and services provided by USWC (U S WEST Communications). The functions, processes, and systems used in Repair are based on a Trouble Report (TR), which is an electronic document maintained in one or more OSSs. A TR contains information about the customer, the trouble, the status of the work on the trouble and the results of the investigation and resolution efforts. These business processes have been summarized and made available to the CLECs in the following functional set: open a trouble

report, cancel a trouble report, send notification of status change and close a trouble report.

2.3 Security

Access security to the system will be initially implemented using user identifiers and passwords for user authentication. The user password shall be 6 to 8 characters long, contain at least one number or special character, and be non-trivial (not easy to guess, such as: dictionary words, child or spouse name, pet name, etc.). Access security for message integrity and confidentiality will be implemented by the use of SSL 3.0 compliant encrypted Web sessions.

All access to the system will be monitored and logged. Any unusual or unauthorized behavior will be reported to both a customer administrator and internally within U S WEST.

2.4 Connectivity

Two types of physical connectivity will be supported. Private line T1 and dial-up access. More details on these are in section 3.

2.5 CLEC User Administration Summary

CLECs will be responsible for maintaining their own list of users authorized to access the U S WEST system.

CLEC users will be mapped to a business role (predefined groups), which will in turn define what transactions the user is allowed to perform on the system. CLECs will need to maintain a group membership.

2.6 Access Summary

CLEC user access via a private line T1 starts with a user specifying a Uniform Resource Locator in a Web browser using shttp (secure hypertext transfer protocol). Successful connection will result in a prompt for a CLEC identifier, user identifier and password. Successful authentication will allow the user to invoke Web processes displayed in a menu. Access control and session encryption are done transparently to the user.

CLEC users using dial-up will have an extra process for connecting to the mediated access terminal server prior to successful connection to the Web server. After they dial the terminal server, and at the screen prompt, they

must enter the appropriate PPP (Point-To-Point Protocol) commands, a user identifier and SecurID® passcode.

US WEST will not support packet or header compression on the dial-in connections. Packet and header compression will be supported on private line T1 access only.

2.7 Interface Helpline

Application, connectivity and access problems can be reported to the U S WEST Unified Help Desk by calling 1-888-796-9102.

2.8 Auditing

Firewall audit logs will be kept by U S WEST for a period of time to be determined. Monthly, the logs will be aggregated into monthly archives. Quarterly, the logs will be aggregated into quarterly archives. The quarterly archives will be retained for 6 months. The audit logs will be organized by CLEC user.

U S WEST will maintain audit logs for each CLEC user access and each logical transaction performed on the U S WEST system. These logs will be aggregated into monthly and quarterly archives for audits. These archives will be retained for at least 90 days.

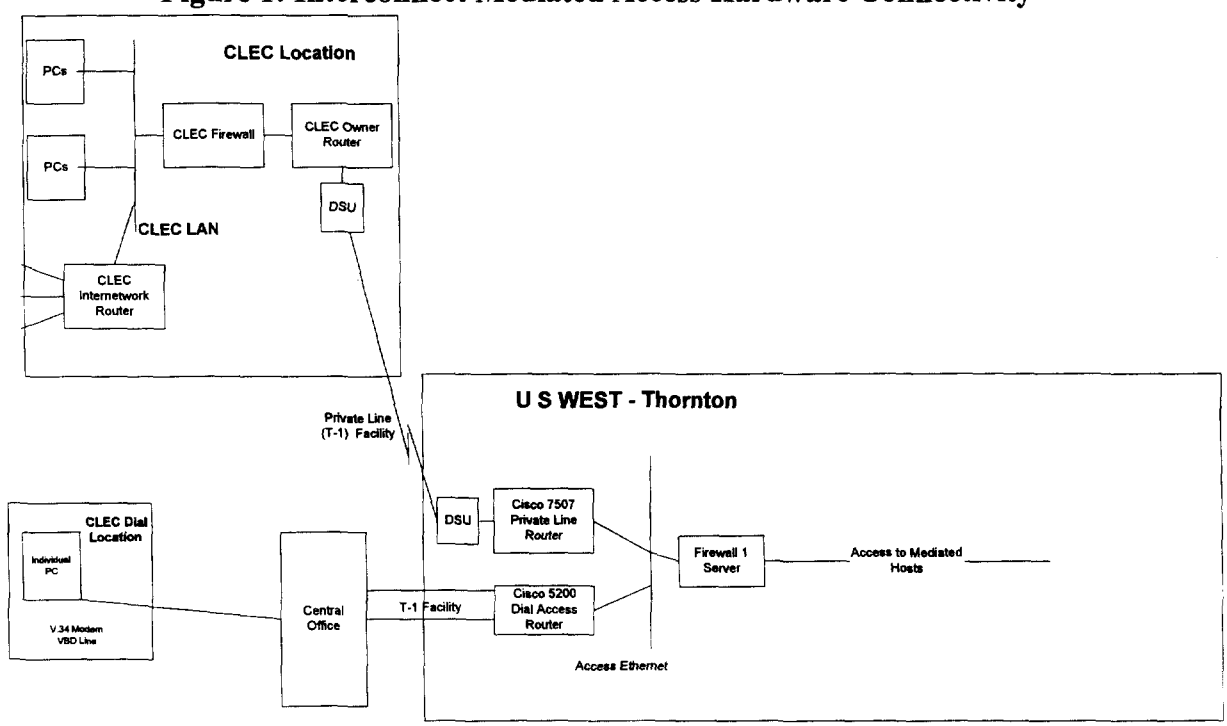
The U S WEST Intrusion Response Team is primarily tasked with the protection of USWC assets and should ONLY be contacted for intrusions that may affect U S WEST systems or networks (not burglaries, etc.).

In the event of an investigation, the CLEC user auditor or investigation team can request the cooperation of the U S WEST intrusion response team to resolve the situation by calling 1-800-759-7243 (skypage), PIN 5296059. The member of the USWC Intrusion Response Team that is carrying the pager will return the call and gather information about the incident.

3. Method Of Access

The following diagram depicts the physical connectivity for U S WEST Interconnect Mediated Access to OSSs (private line and dial-up).

Figure 1: Interconnect Mediated Access Hardware Connectivity



3.1 Private Line

This capability will be provided to CLECs for private line access to U S WEST networked computing resources. The U S WEST gateway router T-1 connection will be routed via an Ethernet interface to a firewall server. Note that T1 lines take about 90 days to order and install and it is up to the CLEC to communicate with USWC as to the locations of their work centers.

3.1.1 Web Hardware and Software Requirements

The following list depicts the **minimal** client hardware configuration required to interface with the U S WEST system:

- 100Mhz machine
- 16 MB memory
- 50 MB hard drive

- Color monitor (VGA)
- IP address
- Ethernet NIU Interface
- Printer (optional)

The following list depicts the minimal client software configuration required to interface with the U S WEST system:

- Operating system software which supports the hardware configuration above, as well as the TCP/IP communications protocol and a GUI environment.
- Web Browser software which supports HTML (HyperText Markup Language) Table, Frame, and Form; preferably compliant with HTML version 3.2 (W3C PR-html 32-961105).

3.1.2 CLEC Responsibilities

The CLEC incurs the following responsibilities in order to access U S WEST's network:

- The CLEC must provide its own router and T-1 DSU at their location. Such a router must use PPP link protocol. Packet and header compression will be supported on dedicated T1 access.
- The CLEC is responsible for ordering and maintaining the link between their location and the designated U S WEST location interface.
- Additional access security is a responsibility of the CLEC. The CLEC shall be responsible for any and all damages incurred by U S WEST Communications, Inc. as a result of network traffic from their location to a U S WEST Communications, Inc. location regardless of whether or not that access was made by an authorized CLEC employee or as a result of a penetration into their network that allows connections to U S WEST Communications, Incorporated networks.
- All IP addresses that will be used to access U S WEST networked computing resources must be identified at least 10 working days in advance. Any address that cannot be identified will be denied access and will be reported as violations.
- The CLEC is responsible for creating and maintaining passwords that meet the guidelines specified previously in this document.

3.1.3 U S WEST Responsibilities

U S WEST incurs the following responsibilities in allowing the CLEC to access U S WEST's network:

- U S WEST will coordinate link outages with the CLEC as to link troubles and outages.
- U S WEST will provide http (hypertext transfer protocol) server names at least 5 working days prior to use. If name changes to these http Servers occur, U S WEST will provide 5 working days notice to each CLEC.
- If authentication or authorization violations occur, U S WEST will notify CLEC security authorities within 24 hours after any violation occurs.

3.2 Dial-up Access

This capability will be provided to CLECs for dial-up access to U S WEST networked computing resources.

3.2.1 Web Hardware and Software Requirements

The following list depicts the **minimal** client hardware configuration required to interface with the U S WEST system:

- 100Mhz machine
- 16 MB memory
- 50 MB hard drive
- Color monitor (VGA)
- IP address
- V.34 28.8 Kbps modem
- Printer (optional)

The following list depicts the minimal client software configuration required to interface with the U S WEST system:

- Operating system software which supports the hardware configuration above, as well as the TCP/IP communications protocol and a GUI environment.
- Web Browser software which supports HTML (HyperText Markup Language) Table, Frame, and Form; preferably compliant with HTML version 3.2 (W3C PR-html 32-961105).

3.2.2 CLEC Responsibilities

The CLEC incurs the following responsibilities in order to access U S WEST's network:

- Additional access security is a responsibility of the CLEC. The CLEC shall be responsible for any and all damages incurred by U S WEST Communications, Inc. as a result of network traffic from their location to a U S WEST Communications, Inc. location regardless of whether or not that access was made by an authorized CLEC employee or as a result of a penetration into their network that allows connections to U S WEST Communications, Incorporated networks.
- The CLEC is responsible for identifying no more than five authorized individuals responsible for distributing U S WEST SecurID® cards to authorized personnel.
- The CLEC must provide U S WEST a list of authorized personnel that will use dial access technology to access U S WEST.
- All additions to the list of authorized personnel must be submitted no less than 10 working days, in writing and on the SecurID® application form provided by U S WEST prior to being able to access U S WEST.
- CLEC requests for password and PIN resets of the SecurID® cards must be done by one of the five authorized individuals, responsible for distributing the SecurID®cards, calling the Unified Help Desk.
- All SecurID® cards issued by U S WEST are to be protected by appropriate policies by the CLEC's Security administration group. These cards remain the property of U S WEST. Any loss of the card by CLEC personnel will be immediately reported to U S WEST security Administration Group.
- The U S WEST dial-up access numbers will be assigned within 20 days of CLEC notification of request for dial access. The CLEC is responsible for all toll charges, if any, in accessing U S WEST dial access numbers.
- Packet and header compression will be not be supported on the dial-up connections.

3.2.3 U S WEST Responsibilities

U S WEST incurs the following responsibilities in allowing the CLEC to access U S WEST's network:

- U S WEST will maintain dial-up access groups specifically for CLEC dial access using Industry standard V.34, 28.8kbs, voice band modem technology. U S WEST will maintain a P.02 grade of service. While the V.34 modem standard is a mature standard, U S WEST may, in the future elect to adopt another standard. If so, U S WEST will give all affected companies notice of our intent to retire the V.34 standard and to adopt another standard consistent with the FCC's disclosure rules.
- U S WEST Security Administration Group will issue SecurID® cards to only the CLEC Security Group for use to access U S WEST based on a CLEC written request. U S WEST will not distribute SecurID® cards to individuals.
- U S WEST will maintain one modem pool based on a seven (7) day week , 24 hours per day.
- U S WEST will retain ownership of all SecurID® cards in the possession of the CLEC.
- U S WEST will provide a single point of contact for all dial-up access services, including access security.
- If authentication or authorization violations occur, U S WEST will notify CLEC security authorities within 24 hours. U S WEST has the authority to block any SecurID® card user whose actions are abnormal. For example, frequent unsuccessful attempts to login, multiple attempts to access unauthorized hosts, and other violations pertaining to access security.

3.3 Administrative Responsibilities

3.3.1 CLEC Responsibilities

The following information must be provided on the CLEC Application Form (see section 5: for a sample of the Sample CLEC Application Form):

- Each CLEC will identify no more than 5 Intrusion Contacts who will be contacted about unusual or unauthorized system access.
- Each CLEC must identify no more than 5 administrators who are authorized to add and delete users and change user profile, including password changes. All CLEC user related problems must be reported to the Unified Help Desk through these CLEC administrators ONLY.
- All CLEC administrators must disclose their names, login ID, an accessible phone number , fax number, street address, city and state (Security Group Administrators).

- A CLEC will restrict user / group administration to a set of authorized individuals.
- Each CLEC will prevent or isolate intrusion attempts being launched from their network into the U S WEST system, or the networks of their users.
- Each CLEC using dial-up must identify no more than 5 administrators who will be given the special privileges necessary to request and distribute U S WEST Communications SecurID® cards. The cost to use the card will be a pre-paid, non-refundable $60 per card. Replacement cards will cost $60/card.
- Each CLEC will provide all the subnet IP addresses to be used for accessing the U S WEST Mediated Access System. **IP addresses not specified will not be granted access.**

3.3.2 U S WEST responsibilities

- U S WEST will issue generic instructions for configuring dial-up access to the mediated access gateway including but not limited to 'screen after connection' and DNS (Domain Name Service) addresses.
- U S WEST will maintain a list of authorized user/group administrators.
- U S WEST will prevent or isolate intrusion attempts being launched from the U S WEST system to a CLEC network.
- U S WEST will provide the URL (Uniform Resource Locator) for the http Server.

3.3.3 U S WEST Points of Contact

Network trouble Reporting - RNMC/Unified Help Desk, U S WEST Communications, 931 14th Street, Denver Colorado, 80202, 1-888-796-9102

U S WEST Communications, Inc. - Intrusion Response Team, 1801 California, Rm. 3210, Denver, CO 80202-1984 Skypage: 1-800-759-7243 , PIN 5296059.

4. Transactions and Data

4.1 Transactions

This section specifies the transactions supported by the http server, or stated differently, the things that the http screens will allow the user to do. These transactions are only accessible via the http screens.

The screens that facilitate the Pre-Order and Order transactions are based on the Ordering and Billing Forum (OBF) standard input formats specified in Bellcore SR STS-4710XX and SR STS-471102. Training material for the http screens will be provided by U S WEST.

4.1.1 Pre-Order

Table 1: Pre-order Transactions

Transaction	Description
Address Verification Query (AVQ) / Address Verification Response (AVR)	This transaction will verify the end-user's address. If the address does not match U S WEST records, the AVR transaction will return "partial match" addresses and/or help as appropriate to assist the CLEC in properly identifying the End User's address for verification. Once the address is verified, the AVR transaction will return the valid address and the current status (working, non-working, or pending out) and the date the status was posted at the address. If U S WEST does not have a record of the address, the CLEC will have to contact U S WEST to input the record before the order can be submitted. Note: No detailed facility information (i.e. cable pair) will be returned as part of this transaction. Rural addresses will not be supported, because the OBF forms do not support Alternate House Numbers, P. O. Box, etc.
Service Availability Query (SAQ) / Service Availability Response (SAR)	This transaction will return the list of POTS products and services for a specified Class of Service available in the specified central office. The U S WEST rates for the products and services will also be returned, but the CLEC's discount will not be applied.
Customer Service Record Information Query (CSQ) / Customer Service Record Information Response (CSR)	This transaction will return, for a specified class of service, the listing information and the POTS services and features that U S WEST is currently providing an existing customer and the rates U S WEST is charging them.

4.1.2 Order

Table 2: Order Transactions

Transaction	Description

Facility Availability (FA) / Facility Availability Acknowledgment (FAA)	For each new line requested, this transaction will indicate if existing facilities are available or if new facilities are required, and if a technician must be dispatched to provide the facilities requested at the end user's address. The FAA indicates acceptance or rejection of the FA information. Rejection will result in cancellation of the work order. Note: 1. This transaction does not reserve facilities and does not guarantee that facilities will be available when the work order is submitted. 2. USWC will automatically execute this transaction as part of order processing, anytime a new line or transfer line is requested.
Telephone Number Availability (TNA)	This transaction offers a telephone number to be assigned to a line. The CLEC will be able to accept the TN or exchange the TN for 2 other TNs. If the customer requests a specific number or a Vanity number, a phone call to the U S WEST Number Assignment Center (NAC) is required, and the request will be handled manually. Note: This transaction will be initiated by USWC for each new line or transfer line requested, or for TN changes, after the Work Order has been submitted.
Accept / Return Telephone Number(s) (ARTN)	This transaction allows a CLEC to reject or accept the telephone number(s) returned by the TNA and/or TNXR transactions. The telephone numbers that are not selected will be returned to the "available" pool. A CLEC can reserve one telephone number returned by the TNA or TNXR transaction for a period of one (1) business day so that the end user can be informed of the number(s) prior to the actual submission of a Work Order. The Work Order must be submitted before the TN expires, otherwise USWC will return the TN to the "available" pool.
Telephone Number Exchange (TNXQ/TNXR)	This transaction allows a CLEC to exchange the TN sent in the TNA transaction for two additional TNs. The CLEC will then choose among the three TNs (the original TN from TNA and two new TNs) and either select one or reject all three.
Appointment Availability (AA)	This transaction will allow a CLEC to select an appointment from a calendar of available appointments. Note: USWC will automatically execute this transaction after the Work Order has been submitted and a technician must be dispatched.
Appointment Reservation (ARQ/ARR)	This transaction can be executed by the CLEC to reserve an available appointment. This transaction assumes the CLEC is looking at the appointment availability calendar returned by the Appointment Availability Query (AA).

Work Order (WO) / Work Order Response (WOR)	The work order transaction submits the information required for USWC to provision products, services and features. This transaction will also be used to cancel existing work orders (specified by the Sup Type). A Firm Order Confirmation notice will be faxed, manually, to the CLEC initiator once USWC personnel have input the order and assigned an order number for tracking. The CLEC can then use the service order number to status the work order, manually. Note: 1. Work Order errors will be handled manually between USWC and the CLEC. 2. Changes to the Work Order must be handled manually. 3. The Firm Order Confirmation (FOC) will be handled manually. 4. Facility Availability, TN Reservation, and Appointment Negotiation processing will be executed as a function of the Work Order transaction, when new lines are required, telephone numbers are needed or a technician must be dispatched.

4.1.3 Repair

Table 3: Repair Transactions

Transaction	Description
Open TR Request	This transaction allows the customer to open a TR with U S WEST .
Open TR Response	This transaction is the response to the Open TR Request. It contains information about the TR that the customer needs to track or to convey to the end user.
Test Results Notification	This transaction provides notification to the customer that an initial MLT "Quick Test" was run, and indicates a summary of the test results.
Status Change Notification	This transaction provides notification to the customer that the status of a previously opened TR has changed.
Cancel TR Instruction	This transaction allows the customer to cancel a previously opened TR.
Completion Notification	This transaction provides notification to the customer that a TR has been closed because the trouble was resolved.

4.2 Data

This section specifies the data and processing rules associated with each transaction specified in section 4.1. The column labeled "Attribute - Description" specifies a name to be used in this document to refer to the indicated data at the gateway layer; the exact name is not mandated for implementation, it is just an identifier for documentation purposes. The column labeled "Form / Section / Field" indicates the location of the data on the standard LSR forms; since the screen presentation must reflect those forms, this column indicates the required presentation for the information. The columns labeled "Type", Size", and "Format" specify requirements for the data, however the presentation of the data may differ to meet user interface design goals; for example, a 50 character field may be presented in a 20 character scrolling data field. The column labeled "M/C/O/NS/RO" indicates whether the data is mandatory (must always be provided), conditional (required under some circumstances), optional (may or may not be present), not supported (specified by OBF but not supported by U S WEST), or read only (created by U S WEST and cannot be modified); this column represents requirements. The column labeled "Comments" provides additional information on the data.

The following conventions are used for the "Type" and "Size" columns:

- If Type is "A", the data is alpha and Size indicates the number of characters;
- If Type is "N", the data is numeric and Size indicates the number of digits;
- If Type is "A/N", the data is alpha-numeric and Size indicates the number of characters;
- If Type is "A/N (F)", the data is formatted alpha-numeric and Size indicates the number of characters;
- If Type is "A/N (E)", the data is enumerated alpha-numeric and Size indicates the number of characters;
- If Type is "B", the data is bitmask and Size indicates the number of bits.
- If Size is "V", the data size is variable.

4.2.1 Pre-Order

4.2.1.1 AVQ/AVR

Table 4: AVQ Transaction Data

Address Verification Query (AVQ)						
Attribute - Description	**Form / Section / Field Name**	**Type**	**Size**	**Format**	**M/C/O**	**Comments**
End User Street Address - identifies the street address of the end user location.	End User Information / "Location and Access" / STREET	A/N	25		M	
End User Floor - identifies the floor of the end user location.	End User Information / "Location and Access" / FLOOR	A/N	3		O	
End User Room - identifies the room of the end user location.	End User Information / "Location and Access" / ROOM	A/N	14	<unittype>_ <unitid>; where _ is a space	O	Valid values for unittype are: apt, ste, rm, unit. unitid is 9 A/N
End User Building - identifies the building at the end user location.	End User Information / "Location and Access" / BUILDING	A/N	9		O	
End User City - identifies the city of the end user location	End User Information / "Location and Access" / CITY	A	25		M	
End User State - identifies the two character postal code for the state of the end user location	End User Information / "Location and Access" / STATE	A	2		M	
End User Zip Code - identifies the zip code of the end user location	End User Information / "Location and Access" / ZIP CODE	N	5		M	System supports 5-digit zip codes only.

Table 5: AVR Transaction Data

Address Verification Response (AVR)						
Attribute - Description	**Form / Section / Field Name**	**Type**	**Size**	**Format**	**M/C/O**	**Comments**
End User Street Address - identifies the street address of the end user location.	End User Information / "Location and Access" / STREET	A/N	25		M	

End User Floor - identifies the floor of the end user location.	End User Information / "Location and Access" / FLOOR	A/N	3		O	
End User Room - identifies the room of the end user location.	End User Information / "Location and Access" / ROOM	A/N	14	<unittype>_ <unitid>; where _ is a space	O	Valid values for unittype are: apt, ste, rm, unit unitid is 9 A/N Room can be apartment, unit or suite.
End User Building - identifies the building at the end user location.	End User Information / "Location and Access" / BUILDING	A/N	9		O	
End User City - identifies the city of the end user location	End User Information / "Location and Access" / CITY	A	25		M	
End User State - identifies the two character postal code for the state of the end user location	End User Information / "Location and Access" / STATE	A	2		M	
End User Zip Code - identifies the zip code of the end user location	End User Information / "Location and Access" / ZIP CODE	N	5		M	System supports 5-digit zip codes only.
NPANXX - Wire center	Local Service Request / "Administrative" / LSO	N	6	NPANXX	M	
Switch Type	N/A	A/N	5		O	
Remarks	N/A	A/N	72		O	
Status	N/A	A/N (E)	8		O	Up to 9 statuses may be returned. Valid values are: Working, Non Work, Pend Out.
Status Date	N/A	A/N	8	MM/DD/YY	C	Required for each status provided
ReturnCode	N/A	*N*	*3*		M	
ReturnMessage	N/A	A/N	V		M	
HelpMessage	N/A	A/N	V		O	

4.2.1.2 SAQ/SAR

Table 6: SAQ Transaction Data

Service Availability Query (SAQ)						
Attribute - Description	**Form / Section / Field Name**	**Type**	**Size**	**Format**	**M/C/O**	**Comments**

Class Of Service - identifies the type of service requested	Local Service Request / "Administrative" / TOS	A/N	3		M	
NPANXX	Local Service Request / "Administrative" / LSO	N	6	NPANXX	M	

Table 7: SAR Transaction Data

Service Availability Response (SAR)						
Attribute - Description	**Form / Section / Field Name**	**Type**	**Size**	**Format**	**M/C/O**	**Comments**
Product Name	N/A	A/N	5		M	May be multiple occurrences.
Product Description	N/A	A/N	17		C	Required for each Product Name.
Recurring Rate (Monthly Charge)	N/A	A/N	5	money	C	Required for each Product Name.
Non-Recurring Rate	N/A	A/N	5	money	C	Required for each Product Name.
Return Message	N/A	A/N	256		C	Required on error condition.

4.2.1.3 CSQ/CSR

Table 8: CSQ Transaction Data

Customer Service Information Record Query (CSQ)						
Attribute - Description	**Form / Section / Field Name**	**Type**	**Size**	**Format**	**M/C/O**	**Comments**
End User Street Address - identifies the street address of the end user location.	End User Information / "Location and Access" / STREET	A/N	25		M	

End User Floor - identifies the floor of the end user location.	End User Information / "Location and Access" / FLOOR	A/N	3		O	
End User Room - identifies the room of the end user location.	End User Information / "Location and Access" / ROOM	A/N	14	<unittype>_<unitid >; where _ is a space	O	Valid values for unittype are: apt, ste, rm, unit unitid is 9 A/N. Room can be apartment, unit or suite.
End User Building - identifies the building at the end user location.	End User Information / "Location and Access" / BUILDING	A/N	9		O	
End User City - identifies the city of the end user location	End User Information / "Location and Access" / CITY	A	25		M	
End User State - identifies the two character postal code for the state of the end user location	End User Information / "Location and Access" / STATE	A	2		M	
End User Zip Code - identifies the zip code of the end user location	End User Information / "Location and Access" / ZIP CODE	N	5		M	USWC support 5 digit zip codes only.
Local Billing Account Number - existing primary TN of End User street address	End User Information / "Bill" / LOCBAN	A/N	10	NPANXXXXXX	M	
End User Customer Name	End User Information / "Location and Access" / NAME	A/N	25		M	

Table 9: CSR Transaction Data

Customer Service Information Record Response (CSR)						
Attribute - Description	**Form / Section / Field Name**	**Type**	**Size**	**Format**	**M/C/O**	**Comments**
Listing Section (Listed Name, Listed Address, Additional Listings, Service Address)	N/A	A/N	V		C	Required if and only if ReturnMessage is not present..

S & E Section (Existing products / features and rates)	N/A	A/N	V		C	Required if and only if ReturnMessage is not present.
ReturnMessage	N/A	A/N	256		C	Required if and only if Listing Section and S & E Section are not present.

4.2.2 Order

The order transaction is based on the Ordering and Billing Forum (OBF) standard input formats specified in Bellcore SR STS-4710XX and SR STS-471102. The standards specify the valid inputs and additional notes for clarification, which are not repeated in this document.

Table 10: Work Order Transaction Data

Work Order (WO)						
Field #	**Field Name Description**	**Type**	**Size**	**Format**	**M/C/O/**	**Comments / Notes Notes are contained in Bellcore SR STS-4710XX**
Local Service Request - Administrative Section						
1	CCNA Identifies the CLEC (RSID).	A/N	3	ANN	M	NOTES 1-3 See Notes 1-3 USWC is using this field for the RSID!! Cannot be modified by user. Prepopulated on initial creation.
2	PON Identifies the customer's unique purchase-order or requisition number that authorizes the issuance of this request or supplement.	A/N	16		M	NOTE 1: See Note 1 Must be same PON on all forms. If modified by user, clear LSR_NO.
3	VER Identifies the customer's version number.	A/N	2		O	NOTE 1: See Note 1 Must be same VER on all forms.
4	LSR_NO Identifies the number that may be generated by the provider's mechanized systems, pre-assigned to the customer by the provider or	A/N	11	ACCCCCCCCC; where A=alpha C=A/N	C	The first char must be an alpha-character. If and only if SUP is 1, LSR_NO must be populated, and the REMARKS must be

	manually assigned by the provider to identify a customer's request for service.					entered.
5	SC Identifies the Provider's Service Center.	A/N	4		M	NOTES 1& 2: See Notes 1&2 Cannot be modified by user This field will be populated by the gateway depending on the NPA of the LOCBAN, if populated, or if the LOCBAN is not populated the NPA of the TN on the Resale Service form where REF_NUM = 1 as follows: populate SC with "USWM" (Minneapolis) if NPA = 505, 303, 719, 970, 308, 402, 319, 515, 712, 605, 701, 218, 302, 507, 612 populate SC with "USWS" (Seattle) if NPA = 520, 602, 307, 208, 406, 801, 503, 541, 206, 360, 509, 208
6	PG_OF_ Identifies the page number and total number of pages contained in this request.	N	4		C	required, applied if the form is printed. system must generate page numbers; where "OF_" is total number of pages across all forms within the request cannot be modified by user.
7	D/TSENT Identifies the date and time that the Service Request is sent by the customer	A/N	8	MM/DD/YY	O	NOTE 1: See Note 1 Populated by gateway with the current date and time when the work order transaction is initiated. Cannot be modified by user.
8	DDD Identifies the customer's desired due date.	A/N	8	MM/DD/YY	C	NOTES 1 & 2: See Note 1&2 required, if sup is blank
9	DDDO Identifies the customer's desired due date for suspension or disconnection of	A/N	8	MM/DD/YY	C	NOTES1-4 : See Notes 1-4 Required if ACT = T or D

	service.					Required if ACT=B and LNA=Y or L DDDO must be > the D/T SENT field, if the SUP field is not populated
10	DFDT Identifies desired frame cut-over time.	A/N	5	HHMM[A|P]	C	NOTES 1-3: See Notes 1-3 can only be used (but not required) when the 1st char of TOS = 1 and the ACT field = T and the DDD = DDDO If 1st char of TOS = 2, DFDT must be blank. If 1st char of TOS =3, no restrictions apply
11	PROJECT Identifies the project to which the request is to be associated.	A/N	16		O	NOTES 1& 2: See Notes 1&2
12	CHC Indicates that the customer is requesting near seamless cut-over activity.	A	1		O	NOTE 1: See Note 1
13	REQTYP Identifies the type of service being requested and the status of the request.	A	2		C	NOTES 1-3: See Notes 1-3 required, if SUP is blank. 1ST char must be "E" or "H"
14	ACT Identifies the activity involved in this service request.	A	1		C	NOTES 1-5 See Notes 1-5 required, if SUP is blank NOTE: If ACT = V, the CLEC must make a positive entry of what TN(s) and FEATURE(S) they want to retain. If ACT = A, the Resale Service form cannot be populated.